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Math worksheet on *'Radicals - Addition Under Cubed Radical Times Integer To Radical (Level 2)'*. Part of a broader unit on *'Radicals - Simplifying Practice'*

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**1** Simplify the radical.

$$2\sqrt[3]{378 - 58}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $7\sqrt[3]{3}$ | $11\sqrt[3]{6}$ | $11\sqrt[3]{8}$ | $10\sqrt[3]{8}$ | $8\sqrt[3]{5}$ | $8\sqrt[3]{4}$ |

**2** Simplify the radical.

$$4\sqrt[3]{197 + 123}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $17\sqrt[3]{5}$ | $16\sqrt[3]{5}$ | $14$ | $16\sqrt[3]{4}$ | $12\sqrt[3]{3}$ | $15\sqrt[3]{7}$ |

**3** Simplify the radical.

$$3\sqrt[3]{210 + 87}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $9\sqrt[3]{13}$ | $9\sqrt[3]{11}$ | $8\sqrt[3]{7}$ | $11\sqrt[3]{12}$ | $11\sqrt[3]{9}$ | $12\sqrt[3]{9}$ |

**4** Simplify the radical.

$$4\sqrt[3]{4 + 12}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $8\sqrt[3]{2}$ | $10$ | $9\sqrt[3]{4}$ | $11$ | $5$ | $5\sqrt[3]{5}$ |

**5** Simplify the radical.

$$3\sqrt[3]{101 - 20}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $10\sqrt[3]{2}$ | $10$ | $12$ | $9\sqrt[3]{4}$ | $7$ | $9\sqrt[3]{3}$ |

**6** Simplify the radical.

$$3\sqrt[3]{300 + 20}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $12\sqrt[3]{7}$ | $9$ | $12$ | $12\sqrt[3]{6}$ | $12\sqrt[3]{5}$ | $12\sqrt[3]{4}$ |

**7** Simplify the radical.

$$5\sqrt[3]{480 + 224}$$

| a | b | c | d | e | f |
|---|---|---|---|---|---|
| $23\sqrt[3]{10}$ | $18\sqrt[3]{13}$ | $17\sqrt[3]{7}$ | $22\sqrt[3]{7}$ | $20\sqrt[3]{11}$ | $23\sqrt[3]{12}$ |